Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A wireless network service provision method of providing communication services including internet connection by permitting access to a predetermined access point in a limitative area via wireless LAN or ~~like~~ local wireless interface, wherein:

when a user subscribed to the communication service system accesses the ~~pertinent~~ predetermined access point, payload processing is executed ~~in unique~~ using a processing method unique to each user, and each user is discriminated based on data of the processed parts such that none of the users is capable of intercepting payload data of any of other users currently accessing the predetermined access point, due to differences in payload processing techniques respectively utilized by the payload processing methods respectively provided for each user.

2.   (Original)   The wireless network service provision method according to claim 1, wherein a plurality of payload processing methods capable of being used in the limitative area are prepared, and a processing method peculiar to each user is selectively adopted.

3.   (Original)   The wireless network service provision method according to claim 1, wherein one of a plurality of preliminarily prepared processing methods is randomly selected for the payload processing.

4.   (Original)   The wireless network service provision method according to claim 1, wherein the communication services are provided via a VLAN, to which a plurality of sub-networks are connected via a communication line.

5.   (Original)   The wireless network service provision method according to claim 1, wherein the communication services are provided in an area, which covers hot spot communication services of providing internet connection and contents services in a predetermined place.

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6.   (Original)   The wireless network service provision method according to claim 1, wherein the communication services are provided by using data communication based on portal switch VLAN.

7.   (Currently Amended) A   wireless   network   system   for   providing communication services including internet connection by permitting access to a predetermined access point in a limitative area via wireless LAN or ~~like~~ local wireless interface, wherein:

when a user subscribed to the communication service system accesses the ~~pertinent~~ predetermined access point, payload processing is executed ~~in unique~~ using a processing method unique to each user, and each user is discriminated based on data of the processed parts such that none of the users is capable of intercepting payload data of any of other users currently accessing the predetermined access point, due to differences in payload processing techniques respectively utilized by the payload processing methods respectively provided for each user.

8.   (Original)   The wireless network system according to claim 7, wherein a plurality of payload processing methods capable of being used in the limitative area are prepared, and a processing method peculiar to each user is selectively adopted.

9.   (Original)   The wireless network system according to claim 7, wherein one of a plurality of preliminarily prepared processing methods is randomly selected for the payload processing.

10.   (Original)   The wireless network system according to claim 7, wherein the communication services are provided via a VLAN, to which a plurality of sub-networks are connected via a communication line.

11.   (Original)   The wireless network system according to claim 7, wherein the communication services are provided in an area, which covers hot spot communication services of providing internet connection and contents services in a predetermined place.

12.   (Original)   The wireless network system according to claim 7, wherein the communication services are provided by using data communication based on portal switch VLAN.

13.   (New) A wireless network service provision method of providing communication services including internet connection by permitting access to a predetermined access point in a limitative area via wireless LAN or local wireless interface, the method comprising:

accessing, by a new user subscribed to the communication service system, the predetermined access point;

assigning one of a plurality of data processing methods to the new user, the one of the plurality of data processing methods being different from other ones of the data processing methods that have been respectively assigned to other users currently accessing the predetermined access point,

wherein none of the users currently accessing the predetermined access point is capable of intercepting data being uploaded by or downloaded to the new user, due to differences in payload processing with respect to the plurality of data processing methods assigned to each of the users.

14.   (New) The wireless network service provision method according to claim 13, wherein the assigning step comprises:

determining which ones of the plurality of data processing methods are currently not assigned to any of the users and are thus available for assignment to the new user, as available data processing methods; and

randomly assigning one of the available data processing methods to the new user.